

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A lighting apparatus, comprising:

a first a-reflecting surface for reflecting light, formed on a circuit board;

an LED light source for emitting illumination light with a plurality of light-emitting diodes mounted on the first reflecting surfacesaid circuit board, the plurality of light-emitting diodes including radially placed light-emitting diodes of different colors, the plurality of light-emitting diodes being placed radially such that a center axis of a light-emitting diode that extends through opposite end surfaces of the diode merges with center axes of other diodes at a single point; and

a single reflector, having a substantially rectangular shape in plan perpendicular to a light-emitting direction of the LED light source and having second reflecting surfaces formed on internal side surfacesreflecting surfaces, for reflecting ahead the light emitted from said LED light source, the single reflector defining only a single opening and being formed independently from the first the-reflecting surface and provided above the first the-reflecting surface, such that said only a single opening surrounds the plurality of light-emitting diodes, and said reflector having an opened rear thereof closed by the first said-reflecting surface when mounted on the first reflecting surfacesaid circuit board; and

a claw extending from the single reflector for mounting the single reflector on the circuit board, the claw having a horizontal arm that extends away from an external side surface of the single reflector in a horizontal direction, a first end of which being attached directly to the external an-external-side surface of the single reflector, and a vertical arm that extends from a

second end, opposite to the first end, of the horizontal arm and penetrating through the circuit board, the vertical portion having an engagement portion that engages with a rear surface of the circuit board,

wherein the lighting apparatus is a flash device of a camera.

2. (Original) The lighting apparatus according to claim 1, wherein said reflecting surface is formed by gold-plating.

3. (Original) The lighting apparatus according to claim 1, wherein said LED light source is a surface-mounted white light-emitting chip LED and is surface-mounted on said reflecting surface.

4. (Canceled)

5. (Previously Presented) The lighting apparatus according to claim 1, further comprising:

an optical component placed on said reflector for expanding and flooding ahead the light emitted from said LED light source.

6. (Currently Amended) A lighting apparatus, comprising:
a circuit board;

an LED light source for emitting illumination light with a plurality of light-emitting diodes mounted on ~~the circuit said circuit-board~~, the plurality of light-emitting diodes including ~~radially placed light-emitting diodes of different colors, the plurality of light-emitting diodes being placed radially such that a center axis of a light-emitting diode that extends through opposite end surfaces of the diode merges with center axes of other diodes at a single point;~~

a single reflector, having a substantially rectangular shape in plan view and having reflecting surfaces, for reflecting ahead the light emitted from said LED light source, said single reflector ~~defining only a single opening and being mounted directly on the circuit said circuit board, and each of said single opening having an internal reflecting surface that surrounds the rear side and~~ side surface ~~side surface side~~ of the plurality of light-emitting diodes; and

a claw extending from the single reflector for mounting the single reflector on the circuit board, the claw having a horizontal arm that extends away from an external side surface of the single reflector in a horizontal direction, a first end of which being attached directly to the external ~~an external~~ side surface of the single reflector, and a vertical arm that extends from a second end, opposite to the first end, of the horizontal arm and penetrating through the circuit board, the vertical portion having an engagement portion that engages with a rear surface of the circuit board,

wherein the lighting apparatus is a flash device of a camera, and

wherein the single reflector includes at least four curved reflecting surfaces.

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Original) The lighting apparatus according to claim 6, wherein said LED light source has a lead terminal, and said lead terminal is put through a hole provided on said reflector and is joined with a predetermined pad of a circuit board so as to mount said LED light source on said circuit board.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented) The lighting apparatus according to claim 1, wherein said circuit board defines a mounting hole, and said reflector is provided with a claw extending directly from an external surface of the reflector, the claw being adapted to engage with a periphery of the mounting hole.

22. (Previously Presented) The lighting apparatus according to claim 1, wherein said reflector protrudes from said circuit board when mounted on said circuit board.

23. (Currently Amended) A lighting apparatus for a digital camera, comprising:

a first a-reflecting surface for reflecting light, formed on a circuit board;

an LED light source for emitting illumination light with a plurality of light-emitting diodes mounted on the first reflecting surfacesaid circuit board, the plurality of light-emitting diodes including radially placed light-emitting diodes of different colors, the plurality of light-emitting diodes being placed radially such that a center axis of a light-emitting diode that extends through opposite end surfaces of the diode merges with center axes of other diodes at a single point;

a single reflector, having a substantially rectangular shape in plan perpendicular to a light-emitting direction of the LED light source and having second reflecting surfaces formed on internal side surfaces~~reflecting surfaces~~, for reflecting ahead the light emitted from said LED light source, the single reflector defining only a single opening and being formed independently from the first ~~the~~-reflecting surface and mounted above the first ~~the~~-reflecting surface, such that said only a single opening surrounds only the plurality of light-emitting diodes, and said reflector having an opened rear thereof closed by the first ~~said~~-reflecting surface when mounted on the first reflecting surfaces~~said circuit board~~; and

a claw extending from the single reflector for mounting the single reflector on the circuit board, the claw having a horizontal arm that extends away from an external side surface of the single reflector in a horizontal direction, a first end of which being attached directly to the external ~~an external~~-side surface of the single reflector, and a vertical arm that extends from a second end, opposite to the first end, of the horizontal arm and penetrating through the circuit board, the vertical portion having an engagement portion that engages with a rear surface of the circuit board,

wherein the single reflector includes at least four curved reflecting surfaces.

24. (Canceled)

25. (Previously Presented) The lighting apparatus according to claim 6, wherein

said circuit board defines a mounting hole for allowing the vertical arm to extend therethrough.

26. (Canceled)

27. (Canceled)

28. (Canceled)

29. (Canceled)

30. (Previously Presented) The lighting apparatus according to claim 1, wherein each of the reflecting surfaces is curved.

31. (Previously Presented) The lighting apparatus according to claim 6, wherein each of the reflecting surfaces is curved.

32. (Previously Presented) The lighting apparatus according to claim 23, wherein each of the reflecting surfaces is curved.

33. (Canceled)

34. (Previously Presented) The lighting apparatus according to claim 1, wherein said plurality of light-emitting diodes is red, green, and blue LEDs that are radially placed.

35. (Canceled)

36. (Previously Presented) The lighting apparatus according to claim 6, wherein said plurality of light-emitting diodes is red, green, and blue LEDs that are radially placed.

37. (Canceled)

38. (Previously Presented) The lighting apparatus according to claim 23, wherein said plurality of light-emitting diodes is red, green, and blue LEDs that are radially placed.